

ABSTRACT

A fluid-powered inspection camera adapted to be operated in a contaminated environment where an electric power supply is not readily available includes a housing having a tubular shell terminating at an open end. An imaging device has a portion arranged within the tubular shell in a spaced relation so as to define an annular chamber therebetween. The imaging device has an eye positioned adjacent to the open end of the body. A compressed fluid-powered motor is arranged within the body and has a compressed fluid inlet adapted to be connected to a suitable source of compressed fluid and also has a compressed fluid outlet. A generator is operatively coupled to the compressed fluid-powered motor and arranged within the body to electrically power the imaging device in proportion to the rate of fluid flow passing through the motor. Compressed fluid discharged from the compressed fluid-powered motor outlet passes through the annular chamber and is discharged through the open end of the body. The compressed fluid supplied to the fluid-powered motor powers and cools the imaging device while keeping clean the eye of the imaging device.

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